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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Emanoil SURDUCAN *et al*

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Examiner: Trinh Vo DINH

For: **PRINTED DIPOLE ANTENNAS FOR WIRELESS
MULTI-BAND COMMUNICATIONS SYSTEMS**

AMENDMENT

Mail Stop Amendment
U.S. Patent and Trademark Office
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Alexandria, VA 22313-1450

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U.S. PATENT AND TRADEMARK OFFICE

Sir:

In response to Official Office Action Dated August 8, 2005, the claims of the present application have been amended as shown on the enclosed Claim Summary.

REMARKS

Claims 1, 3 through 8 and 17 through 19 stand rejected under 35 U.S.C. § 103 as being unpatentable over Krenz *et al.* in view of the Joy *et al.* publication. This rejection is respectfully traversed. Allowance of claims 9-16 is acknowledged.

Claim 1 is directed to a dipole antenna for a wireless communication device having a first conductive element superimposed on a portion of and separated from a second conductive element by a first dielectric layer. The second conductive element is generally U-shaped. The second conductor includes a plurality of spaced conductive strips extending an equal length transverse from adjacent ends of each leg of the U-shape. A first conductive via connects the first and second conductive elements through the first dielectric layer such that each strip on the leg is dimensioned for a different λ_0 .

Claim 1 has been amended to remove the limitation of the L-shaped first conductor of cancelled Claim 2 which has been reinserted as claim 20.

The Krenz *et al.* patent does show a single compact dual mode antenna. The L-shaped conductor 24, 32 is connected by via 22 to the leg 18 of the lower U-shaped conductor. This does not include a plurality of space conductive strips extending from